

# ENGINEERING CHANGE NOTICE

<b>DART AEROSPACE LTD</b>				Amendment Design Review (ADR) Yes/No:		<b>ECN #: 885</b>	
Date: 06.12.05				ADR Date: 06.12.05			
Job No: 00075				Created By: <i>[Signature]</i>		Checked By: <i>[Signature]</i>	
Product No: D350-748				Approved By: <i>[Signature]</i>		Approved By: <i>[Signature]</i>	
Product Name: AS 350/355 CROSSTUBES				(Proj. Manager)		(Management if reqd)	
<b>Documents Affected:</b> Release: - D3502 Rev.B - D350-748-141 Rev.D - D350-748-241 Rev.D							
#	Engineering Actions	Yes	No	Responsible	To happen by:	Complete	
1	Required Documents/Drawings Under Review?	X		CP	ASAP	Y 06.09.07	
2	Update Blue/Pink Folder/Electronic File		X	KJ	ASAP	N/A	
3	Update DSI Folder/Electronic File		X				
4	Update D-Part Master Binder	X		KJ	06.12.06	06.12.06	
5	Update Grey Project Binder	X		CP	06.12.06	06.12.05	
6	Update DEO/DSI Binder		X				
7	Update Master Document List (MDL)	X		KJ/CP	06.12.06	Y 06.12.05	
8	Update Document Record (DR)	X		KJ/CP	06.12.06	Y 06.12.05	
9	Update Change Record Form		X				
10	Move Electronic File	X		KJ	06.12.06	06.12.06	
11	Notify TC of Change		X				
12	Notify FAA of Change		X				
13	Update QSI 021 (TC/FAA STC)		X				
14	Update QSI 036 (K-Kits)		X				
15	Update Accpac Database		X				
16	Update Access Database		X				
17	Verification ARC		X				
18	Update STC Approval List		X				
19	Update Product Development Summary		X				
20	Create/Update COSS (Estimate/BOM)	X		JLM/EC	06.12.12	B 06.12.12	
21	Create/Update PPP's		X				
22	Update Paperwork Kits in Production	X		N/A K CP		N/A Y	
23	Update Paperwork Kits in Stock		X				
24	Red Tag Stock with old CHG #		X				
25	Rework/Scrap Current Production		X				
26	Rework/Scrap Kits in Stock?		X				
27	Update Qpulse/Laminated Dwgs		X				
28	Create/Update Controlled PDF Files	X		KJ	06.12.06	06.12.06	
29	Create/Update FAI sheets		X				
30	Create/Update CNC Programs		X				
31	Create/Update Tooling	X		EC	07.03.28	B 07.03.28	
32	MPP required?		X				
33	Notify Previous Customers		X				
34	Notify Eurocopter France		X				
35							
36							
<b>Description / Action:</b> - D3502-1 dwg updated to add tooling hole req'd for finishing. This is already being done. - D350-748-141/-241 dwg updated to correct CAD plate finish, ensure estimates are updated for correct finish processes/order - Any existing stock is OK, change numbers are not changing - Update any work orders with new dwgs. <i>in production</i>							

 ECN Complete: *[Signature]*

Date: 06.19.07

**AMENDMENT DESIGN REVIEW (ADR)****REFERENCE ONLY**Part/Installation No.: D350-748 Rev        Design Review No: 9 Date: 06.10.31Project Number: 0008 Project Description/Title: 350 CrosstubesEng. Project Manager: Chris Provençal

Persons Present	Title	Initial
Serge Shahbazian	Design Manager	<i>SS</i>
Chris Provençal	Engineering Project Manager	<i>CP</i>
David Shepherd	Chief Engineer (DE #02)	<i>DS</i>
	Manufacturing Manager	
	Quality Manager	

**Comments**

- Dwgs D350-748-141 and D350-748-241 updated to Rev.D for reference to Magnetic Particle Inspection and CAD Plating as manufactured
- Magnetic Particle Inspection done prior to CAD plating. Both processes are AMS/ASTM standards, so approval by DE#02 is acceptable.
- QSI 038 updated to add Magnetic Particle Inspection
- Note that AMS-QQ-P-416B includes process for pre-stress relieve and post embrittlement relief heating process.
- Dwg D3502 updated to Rev.B, for addition of tooling hole required to hang the part during finishing. Acceptable because part is essentially non-structural, just a stop, so approval by DE#02 is acceptable.

Key Tasks (Check or N/A)	Check	Responsible	Completion Date
Review Outstanding TSR/NCR/CAR/PAR	X	CP	06.12.05 CP
Fill out Criteria/Constraints Form – Inputs	N/A		
Fill out Project Evaluation Form	N/A		
D-Part creation/revision	N/A		
Get Manufacturing Input	N/A		
First Article Inspection	N/A		
Fit and Function Test	N/A		
Structural Test	N/A		
Reports (Compliance, Loads, Stress, Conformity, DSI)	N/A		
Check Drawings against all QSIs	X	CP	06.12.05 CP
Review Criteria/Constraints Form	N/A		
Revision to existing approval	N/A		
Close Amendment Project	X	CP	06.12.05 CP

**Conclusion:**

Proceed with dwg changes. Release per ECN #869

## Chris Provencal

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**From:** David Shepherd [dshepherd@dartaero.com]  
**Sent:** December 6, 2006 11:14 AM  
**To:** 'Chris Provencal'  
**Subject:** RE: D3502

Go ahead and release the drawing Chris. I assume this is the revised version (Rev. B) with the hole in it?

David

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**From:** Chris Provencal [mailto:cprovencal@dartaero.com]  
**Sent:** Wednesday, December 06, 2006 9:06 AM  
**To:** David Shepherd (David Shepherd)  
**Subject:** D3502

The D3502 dwg (support for 350 xtubes) isn't stamped released. If you send an email permission, I'll stamp it myself and attach the email to the ECN.

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No virus found in this incoming message.  
Checked by AVG Free Edition.  
Version: 7.1.409 / Virus Database: 268.15.9/573 - Release Date: 12/5/2006

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06/12/2006